

Standards Actions— April 2002

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Standards Actions



DOE Technical Standards Program Document Status

03-28-2002

Activity Summary

In Conversion – 4

In Preparation – 44

Out for Comment – 13

Published this Month – 2



5-year Review Status

Revision in Progress – 4

Reaffirmation in Progress – 2

Supersedure in Progress – 6

Cancellation Pending – 8

Cancellation in Progress – 2

No Current Action – 35

DOE Technical Standards Project Canceled

If you have any questions about this action, please contact the representative listed below. Complete listings of all DOE Technical Standards projects and their status are given on the Technical Standards Program (TSP) Web Site (<http://tis.eh.doe.gov/techstds/>). To access these lists from the home page, click on "DOE Technical Standards," then click on "Projects" in the left-hand frame to show the links to the project lists.

The following DOE Technical Standards project was recently canceled:

- *Evaluating a Lubrication Program Using the Lubricant Cycle*, Project Number MNTY-0026; Chuck Ramsey, 301-903-5999; Chuck.Ramsey@eh.doe.gov. DOE contractors should use the EPRI Lubrication Guide, Revision 3 (formerly NP-4916-R2) in place of this previously proposed technical standard.

DOE Technical Standard Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will request specific reviewers to comment on this draft. The full text of the document is available on the TSP Web Site. If you wish to comment on this document, please notify your TSM.

The following draft DOE Technical Standard was recently distributed for coordination.

Chemical Management, Volume 2, Project Number SAFT-0083; Bill McArthur, U.S. Department of Energy, 19901 Germantown Road, Germantown, Maryland 20874-1290; 301-903-9674; Fax 301-903-3189; Bill.McArthur@eh.doe.gov. Comments are due May 13, 2002. Note: *Chemical Management, Volume 1*, DOE-HDBK-1139/1-2000, was completed and issued November 2000.

DOE Technical Standards Recently Published

The following DOE Technical Standards were recently published and posted on the TSP Web Site:

- DOE-HDBK-1109-97, Change Notice 1, *Radiological Safety Training for Radiation-Producing (X-Ray) Devices*, February 2002.
- DOE-STD-1149-2002, *Safety and Health Program for DOE Construction Projects*, February 2002.

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; 1-800-473-4375, Fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; 703-605-6000, Fax 703-605-6900.

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Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, Fax 303-397-2740, global@ihs.com, <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- A1264.1-1995, *Safety Requirements for Workplace Floor and Wall Openings, Stairs and Railing Systems* (reaffirmation of ANSI A1264.1-1995) – May 21, 2002.
- ASME BPVC Revision: 2002 Addenda, *ASME Boiler and Pressure Vessel Code* (revision of ANSI/ASME BPVC Revision: 2001 Edition) – April 22, 2002.
- ASTM D240-200x, *Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter* (revision of ANSI/ASTM D240-1992) – May 6, 2002.
- ASTM D1657-200x, *Test Method for Density or Relative Density of Light Hydrocarbons by Pressure Thermohydrometer* (new standard) – May 6, 2002.
- ASTM D2272-200x, *Test Method for Oxidation Stability of Steam Turbine Oils by Rotating Pressure Vessel* (revision of ANSI/ASTM D2272-1999) – May 6, 2002.
- ASTM D3614-1997, *Guide for Laboratories Engaged in Sampling and Analysis of Atmospheres and Emissions* (reaffirmation of ANSI/ASTM D3614-1997) – May 6, 2002.
- ASTM D6046-200x, *Classification of Hydraulic Fluids for Environmental Impact* (revision of ANSI/ASTM D6046-1998) – May 6, 2002.
- ASTM E176-200x, *Terminology of Fire Standards* (revision of ANSI/ASTM E176-2001) – May 6, 2002.
- ASTM E1368-200x, *Practice for Visual Inspection of Asbestos Abatement Projects* (revision of ANSI/ASTM E1368-2000) – May 6, 2002.
- ASTM E1370-2001, *Guide for Air Sampling Strategies for Worker and Workplace Protection* (reaffirmation of ANSI/ASTM E1370-2001) – May 6, 2002.
- ASTM E1605-200x, *Terminology Relating to Lead in Buildings* (revision of ANSI/ASTM E1605-02) – May 6, 2002.
- AWWA C652-2002, *Disinfection of Water-Storage Facilities* (revision of ANSI/AWWA C652-1992) – May 7, 2002.
- IEEE 765-1995, *Preferred Power Supply for Nuclear Power Generating Stations* (revision of ANSI/IEEE 765-1995) – May 7, 2002.
- NFPA 72-200x, *National Fire Alarm Code* (revision of ANSI/NFPA 72-1999) – May 21, 2002.
- NFPA 1981-200x, *Standard on Open-Circuit Self-Contained Breathing Apparatus for the Fire Service* (revision of ANSI/NFPA 1981-1997) – May 21, 2002.
- NFPA 5000-200x, *NFPA Building Code* (new standard) – May 21, 2002.
- NSF 60 (i16)-200x, *Drinking Water Treatment Chemicals-Health Effects* (revision of ANSI/NSF 60-2000) – May 6, 2002.
- UL 96-200x, *Standard for Safety for Lightning Protection Components* (Bulletin dated: February 28, 2002) (revision of ANSI/UL 96-1998) – May 6, 2002.
- UL 498A-200x, *Standard for Safety for Current Taps and Adapters* (new standard) – April 22, 2002.
- UL 778-200x, *Motor Operated Water Pumps* (new standard) – May 6, 2002.

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- UL 913-200x, *Standard for Safety for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, III, Division 1, Hazardous (Classified) Locations* (new standard) – May 6, 2002.

The following American National Standards have been approved for publication (Publication is to take place within six months following the date shown. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900.):

- ANSI/ANS 8.5-1996 (R2002), *Design Requirements for New Fuel Storage Facilities at Light Water Reactor Plants* (reaffirmation of ANSI/ANS 8.5-1996) – March 6, 2002.
- ANSI/ASTM D3865-2002, *Test Method for Plutonium in Water* (revision of ANSI/ASTM D3865-97) – February 10, 2002.
- ANSI/ASTM D3972-2002, *Test Method for Isotopic Uranium in Water by Radiochemistry* (revision of ANSI/ASTM D3972-97) – February 10, 2002.
- ANSI/IEEE C57.119-2002, *Recommended Practice for Performing Temperature Rise Tests on Oil Immersed Power Transformers at Loads Beyond Nameplate Ratings* (new standard) – January 30, 2002.
- ANSI/IEEE 577-1976 (R2002), *Reliability Analysis in the Design and Operation of Safety Systems for Nuclear Power Generating Stations, Requirements* (reaffirmation of ANSI/IEEE 577-1976 (R1993)) – January 30, 2002.
- ANSI/IEEE 1215-2002, *Guide for the Application of Separable Insulated Connectors* (new standard) – January 30, 2002.
- ANSI/ISA S12.06.01-1995 (R2002), *Wiring Practices for Hazardous (Classified) Locations – Instrumentation – Part I: Intrinsic Safety* (reaffirmation and redesignation of ANSI/ISA RP12.6-1995) – March 7, 2002.
- ANSI/NSF 53-2002, *Drinking Water Treatment Units - Health Effects* (Issue 29) (revision of ANSI/NSF 53-2001) – January 25, 2002.
- ANSI/NSF 58-2002, *Reverse Osmosis Drinking Water Treatment Systems* (Issue 18) (revision of ANSI/NSF 58-2001) – January 28, 2002.
- IEC 60313, *Coaxial connectors used in nuclear laboratory instrumentation* – March 29, 2002.
- IEC 60325, *Radiation protection instrumentation – Alpha, beta and alpha/beta (beta energy >60 keV) contamination meters and monitors* – May 10, 2002.
- IEC 60695-10-3, Ed. 1, *Fire hazard testing – Part 10-3: Abnormal heat – Mould stress relief distortion test* – April 5, 2002.
- IEC 60846, *Radiation protection instrumentation – Ambient and/or directional dose equivalent (rate) meters and/or monitors for beta, X and gamma radiation* – May 3, 2002.
- ISO/DIS 7195, *Nuclear energy – Packaging of uranium hexafluoride (UF₆) for transport* – June 8, 2002.
- prEN 12952-6, *Water-tube boilers and auxiliary installations – Part 6: Inspection during construction; documentation and marking of pressure parts of the boiler* – for information.
- prEN 12952-8, *Water-tube boilers and auxiliary installations – Part 8: Requirements for firing systems for liquid and gaseous fuels for the boiler* – for information.
- prEN 14385, *Air quality – Stationary source emissions – Determination of the total emission of specific elements* – July 6, 2002.
- prEN ISO 5667-3 REVIEW, *Water quality – Sampling – Part 3: Guidance on the preservation and handling of samples* (ISO/DIS 5667-3:2002) – June 7, 2002.
- prEN ISO 14688-2, *Geotechnical engineering – Identification and classification of soil – Part 2: Classification principles and quantification of descriptive characteristics* (ISO/DIS 14688-2: 2001) – May 12, 2002.
- prEN ISO 15011-2, *Health and safety in welding and allied processes – Laboratory method for sampling fume and gases generated by arc welding – Part 2: Determination of emission rates of gases, except ozone* (ISO/FDIS 15011-2: 2002) – for information.
- prEN ISO 15011-3, *Health and safety in welding and allied processes – Laboratory method for sampling fume and gases generated by arc welding – Part 3: Determination of ozone concentration using fixed point measurements* (ISO/FDIS 15011-3: 2002) – for information.

The following international standards are currently in coordination (comment due dates follow each entry):

- IEC 60076-4, *Power transformers – Part 4: Guide to the lightning impulse and switching impulse testing – Power transformers and reactors* – May 17, 2002.

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The following newly published international standards are available:

- IEC 60974-5 Ed. 1.0 b:2002, *Arc welding equipment – Part 5: Wire feeders*.
- IEC 61326 Ed. 2.0 b:2002, *Electrical equipment for measurement, control and laboratory use – EMC requirements*.
- IEC 61482-1 Ed. 1.0 b:2002, *Live working – Flame-resistant materials for clothing for thermal protection of workers – Thermal hazards of an electric arc – Part 1: Test methods*.
- ISO/TR 17671-1:2002, *Welding – Recommendations for welding of metallic materials – Part 1: General guidance for arc welding*.
- ISO/TR 17671-2:2002, *Welding – Recommendations for welding of metallic materials – Part 2: Arc welding of ferritic steels*.
- ISO/TR 17671-3:2002, *Welding – Recommendations for welding of metallic materials – Part 3: Arc welding of stainless steels*.
- ISO/TR 17671-4:2002, *Welding – Recommendations for welding of metallic materials – Part 4: Arc welding of aluminum and aluminum alloys*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Society for Testing and Materials International

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428

Fax: (610) 832-9666

Contact: Nancy McAvey, nmcavey@astm.org

- ASTM Z8507Z-200x, *Measurement of Electrical Performance and Spectral Response of Nonconcentrator Multijunction Photovoltaic Cells and Modules* (new standard).

Contact: George Luciw, gluciw@astm.org

- ASTM Z6450Z-199x, *Method for Sampling and Counting Airborne Asbestos Fibers in the Workplace by Phased Contrast Microscopy* (new standard).

Institute of Electrical and Electronics Engineers (IEEE)

Office: 445 Hoes Lane
P.O.Box 1331
Piscataway, NJ 08855-1331

Fax: (732) 562-1571

Contact: Naeem Ahmad, n.ahmad@ieee.org

- IEEE 7-4.3.2-200x, *Standard Criteria for Digital Computers in Safety Systems of Nuclear Power Generating Stations* (revision of ANSI/IEEE 7-4.3.2-1993).

National Fire Protection Association (NFPA)

Office: One Batterymarch Park
Quincy, MA 02269-9101

Fax: (617) 770-3500

Contact: Arthur E. Cote, acote@nfpa.org

- NFPA 110-200x, *Standard for Emergency and Standby Power Systems* (revision of ANSI/NFPA 110-2002).
- NFPA 111-200x, *Standard on Stored Electrical Energy Emergency and Standby Power Systems* (revision of ANSI/NFPA 111-2001).
- NFPA 780-200x, *Standard for the Installation of Lightning Protection Systems* (revision of ANSI/NFPA 780-1997).
- NFPA 805-200x, *Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants* (revision of ANSI/NFPA 805-2001).

American Society for Testing and Materials International

Standards activities of the American Society for Testing and Materials International (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (Fax 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (Fax 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (Fax 610-832-9666). Additional infor-

mation on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from ASTM *Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

- B 193-02, *Test Method for Resistivity of Electrical Conductor Materials* – revised standard.
- C 634-01, *Terminology Relating to Environmental Acoustics* – revised standard.
- D 2864-00a, *Terminology Relating to Electrical Insulating Liquids and Gases* – revised standard.
- D 5931-96, *Test Method for Density and Relative Density of Engine Coolant Concentrates and Aqueous Engine Coolants by Digital Density Meter* – reapproved standard.
- E 176-01a, *Terminology of Fire Standards* – revised standard.
- E 833-01a, *Terminology of Building Economics* – revised standard.
- E 957-98, *Terminology Relating to Geothermal Energy* – revised standard.
- E 1368-00, *Practice for Visual Inspection of Asbestos Abatement Projects* – revised standard.
- E 1370-96, *Guide for Air Sampling Strategies for Worker and Workplace Protection* – reapproved standard.
- E 1445-98, *Terminology Relating to Hazardous Potential of Chemicals* – revised standard.
- E 1605-01b, *Terminology Relating to Lead in Buildings* – revised standard.
- E 1728-99 (includes change to title), *Practice for Field Collection of Settled Dust Samples Using Wipe Sampling Methods for Lead Determination by Atomic Spectrometry Techniques* – revised standard.
- G 15-99b, *Terminology Relating to Corrosion and Corrosion Testing* – revised standard.
- G 107-95, *Guide for Formats for Collection and Compilation of Corrosion Data for Metals for Computerized Database Input* – reapproved standard.
- New standard, *Guide for Evacuation Route Diagrams* – Ref. Z8999Z.

- New standard, *Test Method for Determination of Lead in Workplace Air Using Flame or Graphite Furnace Atomic Absorption Spectrometry* – Ref. Z9003Z.
- New standard, *Practice for Measurement of Equipment-Generated Continuous Noise for Assessment of Health Hazards* – Ref. Z9146Z.

- A 20/A 20M-01a, *Specification for General Requirements for Steel Plates for Pressure Vessels* – revised standard.
- B 243-01a, *Terminology of Powder Metallurgy B10 on Reactive and Refractory Metals and Alloys* – revised standard.
- B 350/B 350M-01a, *Specification for Zirconium and Zirconium Alloy Ingots for Nuclear Application* – revised standard.
- B 351-01, *Specification for Hot-Rolled and Cold-Finished Zirconium and Zirconium Alloy Bars, Rod, and Wire for Nuclear Application* – revised standard.
- B 352-01, *Specification for Zirconium and Zirconium Alloy Sheet, Strip, and Plate for Nuclear Application* – revised standard.
- E 1776-01, *Guide for Development of Fire-Risk-Assessment Standards* – revised standard.
- F 1127-01, *Guide for Containment by Emergency Response Personnel of Hazardous Material Spills* – revised standard.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-576-2395, bushar@ornl.gov.